Subject: Re: [PATCH 0/6] fuse: allocate req->pages[] dynamically Posted by Maxim Patlasov on Wed, 12 Sep 2012 16:07:18 GMT

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Hi Miklos,
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So far as no objections appeared, I'll go ahead and replace fuse
req->page with req->pagevec. It will point to an array of structs:
struct page_vec {
   struct page *pv_page;
   unsigned int pv len;
   unsigned int pv_offset;
};
instead of 'struct page *' as it used to be. It seems to be what you
suggested in one of your comments. Are you OK about it?
Thanks,
Maxim
> Hi,
> Currently, any fuse request always includes inline pages[] array of
> FUSE MAX PAGES PER REQ elements. This is the waste of memory because
> in many cases smaller size would suffice.
> The patch-set tries to allocate only as many elements of pages[] array as
> actaully needed. This will be even more useful in the future because of:
> 1. Mitsuo's patches making maximum read/write request size tunable.
> 2. My patches optimizing scatter-gather direct IO. To make them simplier I'll
> need to substitute array of 'struct page *' with array of 'struct bio_vec'.
> It would make memory overhead worse if implemented w/o this patch-set.
>
> Thanks,
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> Maxim